



IFWO

RAW SEQUENCE LISTING DATE: 08/26/2004  
PATENT APPLICATION: US/10/714,079B TIME: 14:07:03

Input Set : N:\CrF4\08232004\J714079C.raw  
Output Set: N:\CRF4\08262004\J714079B.raw

1 <110> APPLICANT: PIROFSKI, LIISE-ANNE  
2 ZHONG, ZHAOJING  
3 CHANG, QING  
4 <120> TITLE OF INVENTION: HUMAN ANTIPNEUMOCOCCAL ANTIBODIES FROM NON-HUMAN  
5 ANIMALS  
6 <130> FILE REFERENCE: ABX-AE1 CON  
7 <140> CURRENT APPLICATION NUMBER: US/10/714,079B  
8 <141> CURRENT FILING DATE: 2003-11-14  
9 <150> PRIOR APPLICATION NUMBER: PCT/US02/18363  
10 <151> PRIOR FILING DATE: 2002-05-16  
11 <150> PRIOR APPLICATION NUMBER: 60/291,492  
12 <151> PRIOR FILING DATE: 2001-05-16  
13 <160> NUMBER OF SEQ ID NOS: 21  
14 <170> SOFTWARE: PatentIn Ver. 2.1  
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16 <211> LENGTH: 462  
17 <212> TYPE: DNA  
18 <213> ORGANISM: Homo sapiens  
19 <400> SEQUENCE: 1  
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22 cagctgttgg agtctgggg aggcttggta cagcctgggg ggtccctgag actctcctgt 120  
23 gcagcctctg gattcacctt tagcagctat gccatgagct gggccggcca ggctccaggg 180  
24 aaggggctgg agtgggtctc agctattagt ggttagtggtg gtagcacata ctacgcagac 240  
25 tccgtgaagg gccgggttacac catctccaga gacaattcca agaacacgct gtagtgc 300  
26 atgaacagcc tgagagccga ggacacggcc gtatattact gtgcgaaagc ccctccataac 360  
27 tggggatcgt ttgactactg gggcaggga accctggta ccgtctcctc agggagtgca 420  
28 tccggcccaa ccctttccc cctcgcttcc tgtgagaatt cc 462  
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30 <211> LENGTH: 648  
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36 atctcctgca ggtctagtc aagctcgta tacagtgtat gaaaacaccta cttgaattgg 120  
37 tttcagcaga ggcaggccaa atctccaaagg cgcctaattt ataaggtttcaactggac 180  
38 tctggggtcc cagacagatt cagccggcagt gggtcaggca ctgatttcac actgaaaatc 240  
39 agcagggtgg aggctgagga tttttgggtt tattactgca tgcaaggta acactggct 300  
40 cggacgttgc gccaaggagca caaggtggaa atcaaacgaa ctgtggctgc accatctgtc 360  
41 ttcatcttcc cgccatctga tgagcagttt aaatctggaa ctgcctctgt tttgtgcctg 420  
42 ctgaataact tctatcccag agaggccaaa gtacagtggaa aggtggataa cgcctccaa 480  
43 tcgggttaact cccaggagag tgtcacagag caggacagca aggacagcac ctacagcctc 540  
44 agcagcaccct tgacgcttag caaagcagac tacgagaaac acaaagtcta cgcctgcgaa 600  
45 gtcacccatc agggccttagt ctcggccgtca acaaagagct tcaacacgg 648

**ENTERED**

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Input Set : N:\Crf4\08232004\J714079C.raw

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 49 <212> TYPE: DNA  
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 54 gcagcgtctg gattcacctt cagtagctat ggcacgtact gggccgcca ggctccaggc 180  
 55 aaggggctgg agtgggtggc agttatatgg tatgtggaa gtaataaata ctatgcagac 240  
 56 tccgtgaagg gcegattcac catctccaga gacaattcca agaacacgct gtatctgaa 300  
 57 atgaacagcc tgagagccga ggacacggct gtgtattact gtgcgagaga tcgggagttgg 360  
 58 ctgaggtaact actactacgg tatggacgtc tggggccaag ggaccacggc caccgtctcc 420  
 59 tcagggagtg catccgcccc aaccctttc cccctcgct cctgtgagaa ttcc 474  
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 62 <211> LENGTH: 632  
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 67 tcacttgcg ggcgagtcag ggtattagca gctggtagc ctggatcatc cagaaaccag 120  
 68 gggaaagcccc taagctcctg atctatgttgc catcccggtt gcaaaatggg gtcccatcaa 180  
 69 ggttcagccg cagtggtatc gggacagatt tcactctcac catcagcgc ctgcagccgt 240  
 70 aagattttgc aacttactat tgcgttgcac ctaacagttt ccctcggacg ttccggccaa 300  
 71 ggaccaaggt gggaaatcaaa cgaactgtgg ctgcaccatc tgcgttgcac ttccggccat 360  
 72 ctgatgagca gttgaaatct ggaactgcct ctgttgcgtt cctgcgttgc aacttctatc 420  
 73 ccagagaggc caaagtacag tggaaagggtt gtaacgcctt ccaatcggtt aactccagg 480  
 74 agagtgcac agagcaggac agcaaggaca gcacccatc cctcagcgc accctgacgc 540  
 75 tgagcaaaggc agactacggaa aacacacaag tctacgcctg cgaagtcacc catcaggccc 600  
 76 tgagctcgcc cgtcacaaag agcttcaaca gg 632  
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 79 <211> LENGTH: 468  
 80 <212> TYPE: DNA  
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 85 gcagcctctg gattcacctt cagtaacgcc tggatgagct gggccgcca ggctccagg 180  
 86 aaggggctgg agtgggtttt ccgtttaaaa agcaaaactg atggtggac aacagactac 240  
 87 gctgcaccccg tggaaaggccatc tcaagagatg attcaaaaaa caccgttat 300  
 88 ctgcaaatga acagcctgaa aaccgaggac acagccgtt attactgtac cacaagctgg 360  
 89 aactacaggt actacttgc tcaactggggc caggaaaccg tggtcaccgt tccctcagg 420  
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 93 <211> LENGTH: 633  
 94 <212> TYPE: DNA  
 95 <213> ORGANISM: Homo sapiens  
 96 <400> SEQUENCE: 6  
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 98 atcacctgccc gggccagtca gggcattgtt agtagttac actggtagcc gcaagaaacca 120

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Input Set : N:\CrF4\08232004\J714079C.raw

Output Set: N:\CRF4\08262004\J714079B.raw

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 100 aggttcagtg gcagtggatc tggacagat ttcacccctca ccatcaatag cctggaagct 240  
 101 gaagatgctg caacgttata ctgtcatcag agtagtagtt taactcggac gttcgccaa 300  
 102 gggaccaagg tggaaatcaa acgaactgtg gctgcaccat ctgtcttcat cttccggca 360  
 103 tctgtatgagc agttgaaatc tggaaactgcc tctgttgtgt gcctgctgaa taacttctat 420  
 104 cccagagagg ccaaagtaca gtgaaagggtg gataacgccc tccaaatcgaa taactccag 480  
 105 gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg 540  
 106 ctgagcaaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcaggc 600  
 107 ctgagctcgcc cggtcacaaaa gagcttcaac agg 633  
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 112 <213> ORGANISM: Homo sapiens  
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 115 cagctgggtgg agtctgggg aggcttggta aagcctgggg ggtcccttag actctctgt 120  
 116 gcagcctctg gattcacatt cagtaacgcc tggatgagct gggccggca ggctccagg 180  
 117 aaggggctgg agtgggttgg ccgtttaaa agcaaaaactg atgggtggac aacagactac 240  
 118 gctgcaccccg tggaaaggcag attcaccatc tcaagagatg attcaaaaaa cacgctgtat 300  
 119 ctgaaatga acagcctgaa aaccgaggac acagccgtgt attactgtac gaaacatagt 360  
 120 gggagctact acggatactt ccagcactgg ggcaggcga ccctggtcac cgtctctca 420  
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 125 <212> TYPE: DNA  
 126 <213> ORGANISM: Homo sapiens  
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 129 <222> LOCATION: (462)  
 130 <223> OTHER INFORMATION: a, t, c, g, other or unknown  
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 141 atctcctgca ggtctagtc gagcctctg catagtaatg gataacaacta tttggattgg 120  
 142 tacctgcaga agccaggcgt gtcacccacag ctccctgatct atttgggttc taatcggcc 180  
 143 tccgggttcc ctgacaggtt cagttggcgtt ggatcaggca cagatttac actgaaaatc 240  
 144 agcagagtgg aggctgagga tgggggttattactgca tgcaagctct acaaactcct 300  
 145 cggacgttcg gccaaggcgtt caaggtggaa atcaaacgaa ctgtggctgc accatctgtc 360  
 146 ttcatcttcc cggccatctga tgacgacttg aaatctggaa ctgcctctgt tgggtgcctg 420  
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 W--> 148 tcgggttaact cccangagag tggcacagag cangacagca aagacagcac ctacagcctc 540  
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Input Set : N:\Crf4\08232004\J714079C.raw  
Output Set: N:\CRF4\08262004\J714079B.raw

150 gtcacccatc aaggcctgag ctcgcccgtc acaaagagct tcaacagga 649  
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 154 <212> TYPE: PRT  
 155 <213> ORGANISM: Homo sapiens  
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 158 1 5 10  
 160 <210> SEQ ID NO: 10  
 161 <211> LENGTH: 12  
 162 <212> TYPE: PRT  
 163 <213> ORGANISM: Homo sapiens  
 164 <400> SEQUENCE: 10  
 165 Lys His Ser Gly Ser Tyr Tyr Gly Tyr Phe Gln His  
 166 1 5 10  
 168 <210> SEQ ID NO: 11  
 169 <211> LENGTH: 11  
 170 <212> TYPE: PRT  
 171 <213> ORGANISM: Homo sapiens  
 172 <400> SEQUENCE: 11  
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 174 1 5 10  
 176 <210> SEQ ID NO: 12  
 177 <211> LENGTH: 15  
 178 <212> TYPE: PRT  
 179 <213> ORGANISM: Homo sapiens  
 180 <400> SEQUENCE: 12  
 181 Arg Asp Arg Glu Trp Leu Arg Tyr Tyr Tyr Gly Met Asp Val  
 182 1 5 10 15  
 184 <210> SEQ ID NO: 13  
 185 <211> LENGTH: 9  
 186 <212> TYPE: PRT  
 187 <213> ORGANISM: Homo sapiens  
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 189 Met Gln Gly Thr His Trp Pro Arg Thr  
 190 1 5  
 192 <210> SEQ ID NO: 14  
 193 <211> LENGTH: 7  
 194 <212> TYPE: PRT  
 195 <213> ORGANISM: Homo sapiens  
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 198 1 5  
 200 <210> SEQ ID NO: 15  
 201 <211> LENGTH: 7  
 202 <212> TYPE: PRT  
 203 <213> ORGANISM: Homo sapiens  
 204 <400> SEQUENCE: 15  
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Input Set : N:\Crf4\08232004\J714079C.raw  
 Output Set: N:\CRF4\08262004\J714079B.raw

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209 <211> LENGTH: 7
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217 <211> LENGTH: 7
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220 <400> SEQUENCE: 17
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225 <211> LENGTH: 18
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
228 <220> FEATURE:
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253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
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256 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer
257 <400> SEQUENCE: 21
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RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 08/26/2004  
PATENT APPLICATION: US/10/714,079B                   TIME: 14:07:04

Input Set : N:\Crf4\08232004\J714079C.raw  
Output Set: N:\CRF4\08262004\J714079B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. 462,495,513

**VERIFICATION SUMMARY**

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Input Set : N:\Crf4\08232004\J714079C.raw

Output Set: N:\CRF4\08262004\J714079B.raw

L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:420  
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:480